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DPD-3265-59

14 May 1959

MEMORANDUM FOR THE RECORD

SUBJECT : J-75 Engine Tests

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1. On 13 May 1959 a phone call was received from [redacted] He stated that the first flight of the U-2 using the J-75 engine was successfully completed. The flight was accomplished using 90% RPM as the maximum power setting during the flight. All engine instruments were normal during the flight and no malfunctions were encountered. Pilot reports of the handling characteristics of the airplane indicated that there is no change in the control aspects at slow speed and approach to the stall.

2. At the time of the phone call (1700 EDST), the aircraft was airborne on the second flight. Takeoff was accomplished using 95% RPM and looked good to the ground observers. For qualitative comparison, a standard U-2 was flown at the same time. The J-75 equipped aircraft, using 95% RPM, rapidly outclimbed the standard aircraft using 100% power. The proposed flight plan of the second flight called for a climb to 65,000 feet, speed power points at this altitude, and throttle bursts.

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3. [redacted] will send daily cables of the tests results of the engine testing for the next week to ten days in order to keep Headquarters abreast of the latest test results.

25X1 [redacted]

Development Branch

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DPD-DD/P:[redacted]amcb

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Distribution:
Orig. - DEV. Branch - [redacted]
2 - File/J-75
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